

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Harvey et al.

Serial No.: Not Yet Assigned

Filed: February 5, 2004

For: FIBER REINFORCED ROCKET
MOTOR INSULATION

Confirmation No.: Unknown

Examiner: Unknown

Group Art Unit: Unknown

Attorney Docket No.: 2507-5787.2US
(21811-US-02)

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

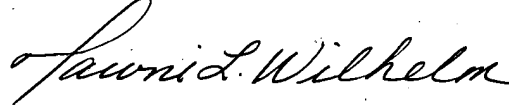
Sir:

The present application is a continuation of application Serial No. 10/046,132, filed January 9, 2002, pending, which claims the benefit of priority of U.S. provisional application Serial No. 60/260,704 filed January 10, 2001, the complete disclosure of which is incorporated herein by reference.

Pursuant to M.P.E.P. 2001.06(b), the Examiner is respectfully requested to consider the information of record in the prior applications, and to confirm in the first Office Action on the merits that such art has in fact been reviewed. A PTO-1449 form listing all of the information of record in the prior applications is enclosed herewith.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. 1.17(p) is required.

Respectfully submitted,



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Date: February 5, 2004
TLW/ps:rh

Enclosures: Form PTO-1449
Document in ProLaw

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 2507-5787.2US (21811-US-02)		Application Number N t Yet Assign d	
				Applicant Harvey t al.			
				Filing Date February 5, 2004		Group Art Unit Unknown	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,686,868	08/29/1972	Chase et al.			
	3,973,397	08/1976	Chase et al.			
	4,504,532	03/1985	Herring			
	4,649,701	03/1987	Wendel			
	4,663,065	05/05/1987	Herring			
	4,711,086	12/1987	Offe et al.			
	4,878,431	11/1989	Herring			
	4,953,476	09/04/1990	Sayles			
	4,956,397	09/1990	Rogowski et al.			
	5,024,818	06/18/1991	Tibbetts et al.			
	5,024,860	06/18/1991	Chang			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	WO 01/04198	07/11/2000	PCT				
	WO 01/20966 A2	03/29/2001	PCT				
	WO 01/46279 A1	06/28/2001	PCT				

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
		Darmstadt, H., 1997, Elsevier Science Ltd., Effects of Surface Treatment on the Bulk Chemistry and Structure of Vapor Grown Carbon Fibers, p. 1581, 5 pages.
		Hill, Jeanene Renee, "Usage of Vapor Grown Carbon Fiber Composit with Phenolic Matrix in the Space Shuttle Usable Solid Rocket Motor Nozzle," Online!: May 13, 1999, Mississippi State University, Retrieved from the Internet: < URL: http://www.me.msstate.edu/STUDENT/ThesisHi11.htm > Retrieved on March 14, 2003
		Ibarra et al., "The Effect of Oxidized Carbon Fibre Content on the Properties of Thermal Plastic Elastomer Composites," Kautschuk and Gummi - Kunststoffe, Dr. Alfred Huthig Verlag GmbH; Heidelberg, DE; Vol. 50, No. 6, June 1, 1997, pp. 478-480, 482, 484.
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) 2507-5787.2US (21811-US-02)		Application Number Not Yet Assigned	
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			Filing Date February 5, 2004		Group Art Unit Unknown	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,352,312	10/04/1994	Guillot			
	5,374,415	12/20/1994	Alig et al.			
	5,547,525	08/1996	Bennett et al.			
	5,594,060	01/14/1997	Alig et al.			
	5,767,221	06/16/1998	Poulter et al.			
	5,821,284	10/13/1998	Graham et al.			
	5,830,384	11/03/1998	Stephens et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
		Libera, Joseph, et al., 2001, Pergamon, Hydrothermal synthesis of graphite tubes using Ni catalyst, pp. 1308 & 1317, 12 pages.
		Patton et al., "Vapor Grown Carbon Fiber Composites with Epoxy and Poly(Phenylene Sulfide) Matrices," Composites Part A: Applied Science and Manufacturing; Elsevier Science Publishers B.V.; Amsterdam, NL; Vol. 30, No. 9; September 1999; pp. 1081-1091.
		Pennwalt, "Dialkyl Peroxides"
		Sutton, G.P., "Rocket Propulsion Element," 1992, Wiley & Sons, New York, US, pp. 106-109.
		Tarasen, William, et al., Pyrograf III VG/SF Nanofibers for Engineered Composites.

EXAMINER	DATE CONSIDERED
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